



Express Mail No.: EL 452 481 374 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ankenbauer *et al.*

Application No.: 09/269,860

Group Art Unit: 1652

Filed: March 10, 2000

Examiner: Hutson, R.

For: THERMOSTABLE NUCLEIC ACID  
POLYMERASE FROM  
THERMOCOCCUS GORNONARIUS

Attorney Docket No.: 4453

RECEIVED  
OCT 01 2001  
TECH CENTER 1600/2900

FEE TRANSMITTAL SHEET

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The fee required to be filed with the accompanying amendment of even date herewith concerning the above-identified application has been estimated to be \$0.


The claim amendment fee has been estimated as shown below:

(Col. 1)		(Col. 2)		(Col. 3)		SMALL ENTITY		OTHER THAN A SMALL ENTITY	
CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NO PREVIOUSLY PAID FOR		PRESENT EXTRA	RATE	ADDIT. FEE	OR	RATE	ADDIT. FEE
TOTAL	9	MINUS	20	=	0	× 9	\$	× 18	\$ 0.00
INDEP.	2	MINUS	3	=	0	× 40	\$	× 80	\$ 0.00
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM					135	\$		270	\$
					TOTAL	\$	OR	TOTAL	\$ 0.00

Please charge the required fee to Pennie & Edmonds LLP Deposit Account No. 16-1150.  
A copy of this sheet is enclosed.

Respectfully submitted,

Date: September 24, 2001

  
Rahul Pathak 42,983  
(Reg. No.)

For: Jennifer Gordon (Reg. No. 30,753)  
PENNIE & EDMONDS LLP  
1155 Avenue of the Americas  
New York, New York 10036-2711  
(212) 790-9090

Enclosure



09-26-01

Express Mail No.: EL 452 481 374 U

TECH CENTER 1600/2900

OCT 01 2001

RECEIVED

#15/C  
D. J.  
15201

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Ankenbauer *et al.*

Application No.: 09/269,860

Group Art Unit: 1652

Filed: March 10, 2000

Examiner: Hutson, R.

For: THERMOSTABLE NUCLEIC ACID  
POLYMERASE FROM  
THERMOCOCCUS GORGONARIUS

Attorney Docket No.: 4453

AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Applicants have carefully considered the Office Action mailed June 5, 2001, in connection with the above-captioned Application. Reconsideration of the claims in light of the amendments and remarks that follow is respectfully requested. Filed herewith are Exhibits A-C and a Petition for Extension of Time extending the period for responding by one month to and including October 5, 2001.

AMENDMENT

IN THE SPECIFICATION

Marked up versions of the following amended paragraphs are attached as Exhibit A.

On page 3, please replace the paragraph beginning "The thermostable DNA..." with the following new paragraph:

C1 --The thermostable DNA polymerase enzyme obtainable from *T. gorgonarius* catalyzes the template directed polymerization of DNA, has an apparent molecular weight of about 92,000 - 96,000 daltons and retains 90 % of its activity after incubation for two hours at 95°C in the presence of a stabilizer like a non-ionic detergent as, e.g., 0.01 % THESIT™

40

C